

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

Amend the Paragraph beginning on page 10, line 1, to read as follows.

[0030] Here, the lower sole 38 is supported pivotally movably to the front and behind, the left and right, with a sensor axis 100 of the force sensor 36a as the center, and is so designed as to be capable of landing in all directions by pivoting, and is provided with a side wall 38a rising upward at a part next to the outer edge, namely, a foot side of a foot portion 14L. Therefore, when a foot portion 14L hits a side of a matter on the floor surface, the side wall 38a of the lower sole 38 collides on said matter, transmits its impact strength to the force sensor 36a, which can hence detect said contact. Here, force sensor parts 23L and 23R are divided, respectively, into four force sensors 36a to 36d, but not limited as such, they may be divided at least into four at both sides of heel portions 14L, 14R, and both sides of toe portions of foot portions, and furthermore, may be divided into five or more. Also, each of the force sensors 36a to 36d is located in line at a sole, as illustrated in a figure, but not limited as such, may be located arbitrarily.